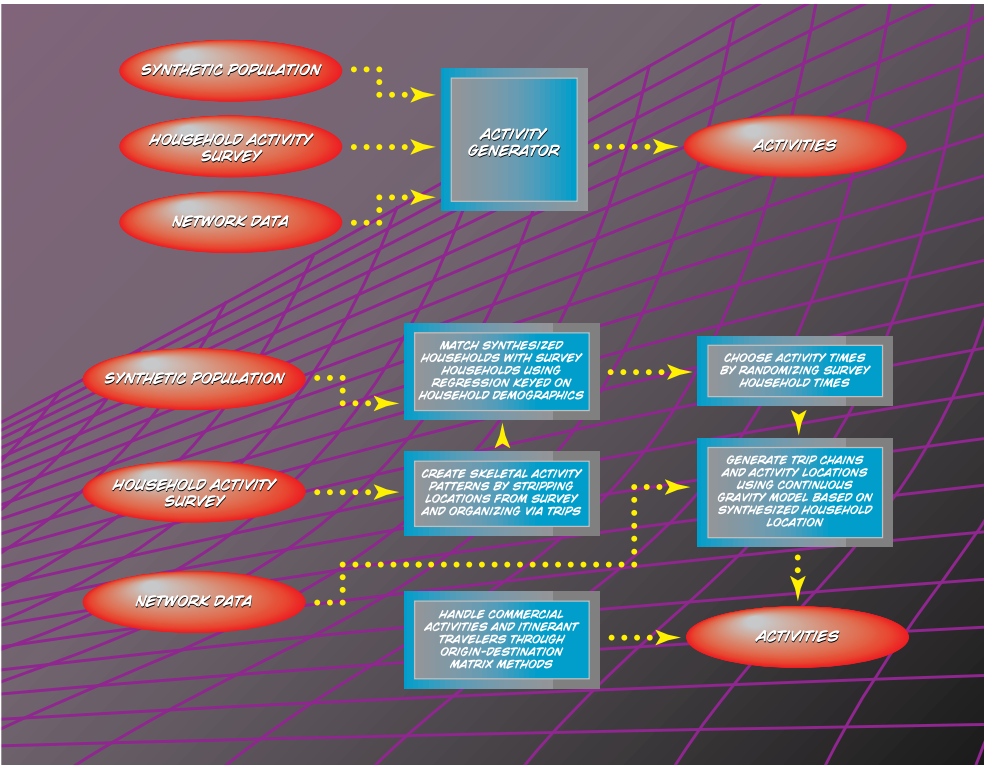
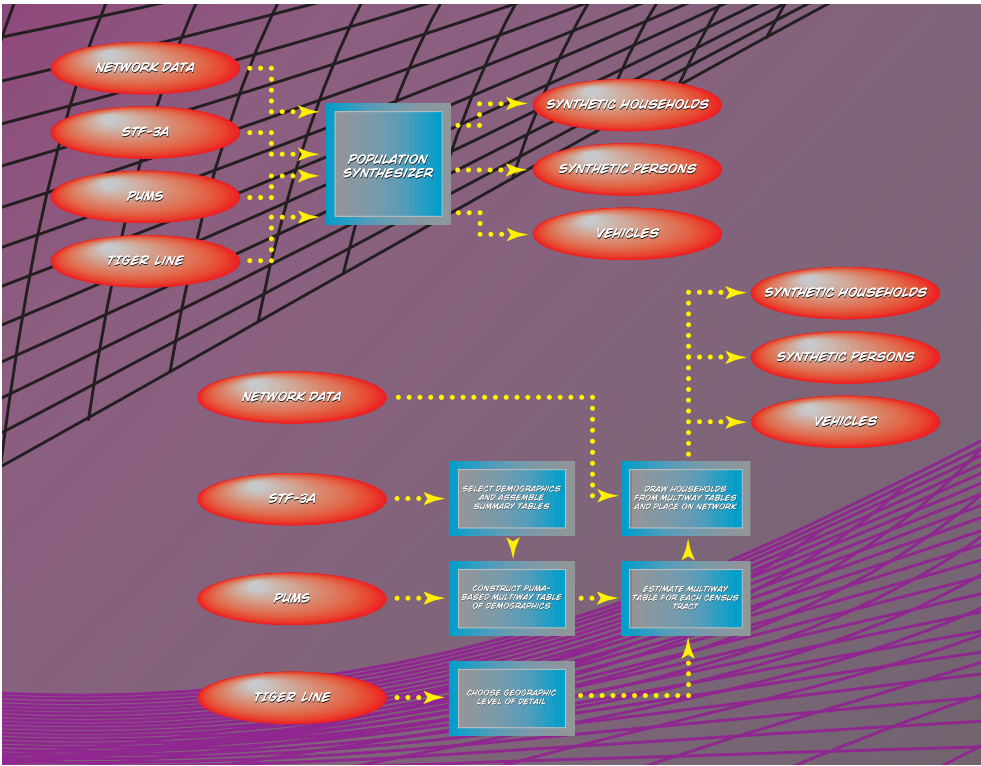


**POPULATION SYNTHESIZER: PURPOSE**

- Creates a Regional Population Imitation
  - Demographics Closely Match Real Population
  - Households Are Distributed Spatially to Approximate Regional Population Distribution
  - Household Locations Determine Some of the Travel Origins and Destinations
- Synthetic Population's Demographics Form Basis for Individual and Household Activities Requiring Travel

**CHOICE OF VARIABLES FROM STF-3A SUMMARY TABLES**

- Family Households
  - Age of the Householder (P24)
  - Family Income (P107)
  - Number of Workers in the Family (P112)
  - Poverty Status x Race x Family Type x Presence and Age of Children (P124A, B)
- Nonfamily Households
  - Household Type and Gender (P17)
  - Race x Household Type x Presence and Age of Children (P20)
  - Age of Nonfamily Householder (P24)
  - Nonfamily Household Income (P110)
  - Poverty Status x Age of Householder x Household Type (P127)
- Group Quarters
  - Group Quarters (P40)
  - Group Quarters x Age (P41)



**ACTIVITY GENERATOR: PURPOSE**

- Creates...
  - Household and Individual Activities
  - Activity Priorities
  - Activity Locations
  - Activity Times
  - Mode and Travel Preferences
- Generates Travel Demand Sensitive to Demographics of Synthetic Population
- Activities Form Basis for Determining Individuals' Trip Plans for the Region